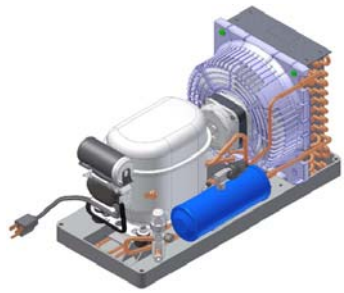
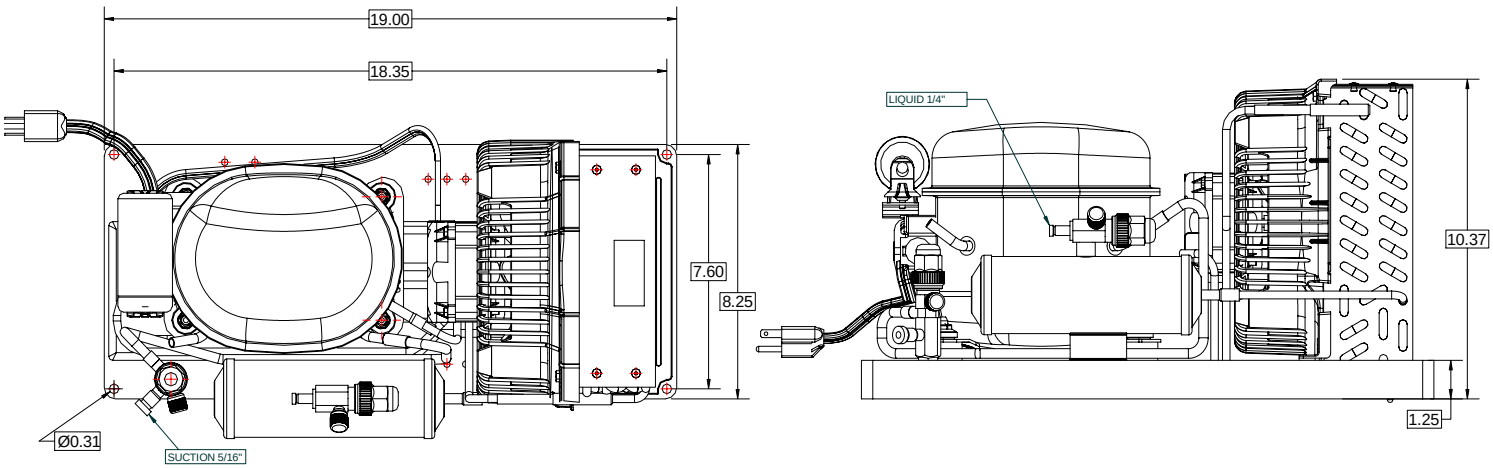
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AEA9422EXAGL, -K, -B, -C**
BOM	**33X341-2, -3, -4, -5**
Air Cooled	**1/3 HP**
Application	**Commercial Temp**
Refrigerant	**R22**
Volts-Hz-Ph	**115-60-1**





Model	Dimensions, inches (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross wt.
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs (kg)
AEA9422EXAGL	19 (483)	8.7 (221)	10.3 (262)	5/16 Sweat	1/4 Sweat	n/a	240	16	39.6 (18)
AEA9422EXAGK									
AEA9422EXAGB		9.7 (246)				2.07			40.2 (18.2)
AEA9422EXAGC				5/16 Valve Sweat	1/4 Valve Sweat	2.44			40.8 (18.5)

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temeratures											
		80°F			90°F			100°F			110°F		
°F	Psig	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	16.5	1181	385	93	1083	413	105						
-5	20.0	1397	402	94	1244	430	105						
0	24.0	1613	425	96	1406	449	107						
5	28.2	1810	445	99	1603	467	110						
10	32.8	2006	464	101	1800	485	111	1631	508	119			
15	37.7	2294	481	103	2088	503	112	1903	528	120			
20	**43.0**	**2581**	**497**	**104**	**2376**	**526**	**114**	**2175**	**558**	**122**			
25	48.8	2869	515	106	2663	544	115	2447	574	123	2220	592	133
30	54.8	3132	541	111	2925	569	119	2700	595	127	2458	616	136
35	61.5	3440	567	114	3199	593	122	2956	615	131	2712	639	139
40	68.5	3717	593	120	3481	618	127	3235	636	134	2981	663	142
45	76.0	3966	620	122	3771	642	130	3537	657	140	3264	686	146

40°F return gas below 20°F evaporator, 65°F return gas above 20°F evaporator, SubCooling 5°F

Parts/Specifications

Unit BOM	**33X341-2**	Condenser	50734-G04
Unit MODEL	**AEA9422EXAGL**	Shroud	
		Fan Guard	116-003P
Refrigeration RANGE	-10°F to 45°F		
Design Pressure Low	150	Replacement Fan Motor	9W115
Design Pressure High	450	F. M., blade, guard assy	YFBG-109
Volts - HZ - Ph	115-60-1	F. M., blade, guard, shroud assy	
Voltage Range	126.5 to 103.5		
Min. Circuit Ampacity	8.21	Electrical Diagram	DEAE-10
Max. Fuse Size	15	Unit Drawing	DGBU-042
Compressor MODEL	AEA9422EXA	**Unit BOM**	**33X341-3**
Compressor BOM	AE172AR-908-A2	**Unit MODEL**	**AEA9422EXAGK**
Compressor LRA	40	Power Cord	85106-10
Compressor RLA	6.1	Unit Drawing	DGBU-042
OverLoad	8300MRTE59	**Unit BOM**	**33X341-4**
Relay	820RR12B79	**Unit MODEL**	**AEA9422EXAGB**
Run Capacitor		Receiver	51085-1H
Run Capacitor Rating		Unit Drawing	DGBU-042R
Start Capacitor	85PS165C27		
Start Capacitor Rating	270-324MFD / 165V	**Unit BOM**	**33X341-5**
		Unit MODEL	**AEA9422EXAGC**
Fan Motor	NUT6B09PUN301	Receiver /w Liq Valve	51085-1HV
Fan Motor RLA	0.58	Suction Valve	56580-1
Fan Blade	4VEA010	Unit Drawing	DGBU-042V